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# NOTICE OF ALLOWANCE AND FEE(S) DUE

23859

7590

06/26/2009

Ballard Spahr Andrews & Ingersoll, LLP SUITE 1000 999 PEACHTREE STREET ATLANTA, GA 30309-3915 EXAMINER

PAK, MICHAEL D

ART UNIT

PAPER NUMBER

1646

DATE MAILED: 06/26/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,717	03/14/2007	Mark F. Leppert	21101.0048U2	4074

TITLE OF INVENTION: MUTANT SODIUM CHANNEL NAV1.7 NUCLEIC ACID METHODS

APPLN. TY	E SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisio	nal YES	\$755	\$300	\$0	\$1055	09/28/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

maintenance fee notifica	ttions.	ng the Patent, advance of herwise in Block 1, by ( lock 1 for any change of address)	orders and notification of a specifying a new correction.	e: A certificate of	mailing	can only be used for	domestic mailings of the
	pap	Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
23859	nav			· ·	· include		
Ballard Spahr SUITE 1000 999 PEACHTRI	I he Stat add tran	Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the Unite States Postal Service with sufficient postage for first class mail in an envelog addressed to the Mail Stop ISSUE FEE address above, or being facsimi transmitted to the USPTO (571) 273-2885, on the date indicated below.					
ATLANTA, GA	30309-3915					(Depositor's name)	
			<u> </u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	1	ATTOR	RNEY DOCKET NO.	CONFIRMATION NO.
10/585,717	03/14/2007		Mark F. Leppert	21101.0048		21101.0048U2	4074
TITLE OF INVENTION	N: MUTANT SODIUM C	CHANNEL NAV1.7 NU	CLEIC ACID METHODS				
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755 •	\$300	\$0 <b>7</b>		\$1055	09/28/2009
EXAM		ART UNIT	CLASS-SUBCLASS				
	CHAEL D	1646	435-008000				
☐ "Fee Address" ind	oondence address (or Cha B/122) attached. lication (or "Fee Address D2 or more recent) attach	(1) the names of up to or agents OR, alternation (2) the name of a single registered attorney or a second control of the contr	e of a single firm (having as a member a ttorney or agent) and the names of up to patent attorneys or agents. If no name is				
PLEASE NOTE: Un	less an assignee is ident th in 37 CFR 3.11. Comp	ified below, no assignee	THE PATENT (print or ty data will appear on the p or a substitute for filing an (B) RESIDENCE: (CITY	patent. If an assign assignment.			cument has been filed for
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent):	Individual 🖵 C	orporatio	on or other private grou	p entity Government
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): ( <b>Ple</b> s	ase first reapply a	ny previ	iously paid issue fee s	hown above)
Issue Fee	No small entity discount [	normitted)	☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.				
	# of Copies		The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any				
			overpayment, to Depo	osit Account Numb	er	(enclose an	extra copy of this form).
5. Change in Entity Sta	i <b>tus</b> (from status indicate is SMALL ENTITY stati	· · · · · · · · · · · · · · · · · · ·	☐ b. Applicant is no lon	ger claiming SMA	LL ENT	TTY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee an	nd Publication Fee (if req	uired) will not be accepte	ed from anyone other than t				
interest as shown by the	records of the United Sta	ites Patent and Trademar	k Office.				
Authorized Signature				Date			
Typed or printed name				-			
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	itiality is governed by 35 dapplication form to the ions for reducing this bu /irginia 22313-1450. DC	CFR 1.311. The informati I U.S.C. 122 and 37 CFR E USPTO. Time will var rden, should be sent to the O NOT SEND FEES OR	on is required to obtain or an annual transfer of the control of t	retain a benefit by t timated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRESS	the publi minutes omments Tradem S. SEND	to which is to file (and to complete, including son the amount of time ark Office, U.S. Depart TO: Commissioner for	by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/585,717	03/14/2007	Mark F. Leppert	21101.0048U2	4074
23859 75	590 06/26/2009	EXAMINER		
Ballard Spahr Ar	ndrews & Ingersoll, L	PAK, MICHAEL D		
SUITE 1000		ART UNIT	PAPER NUMBER	
999 PEACHTREE ATLANTA, GA 3			1646 DATE MAILED: 06/26/200	9

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 313 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 313 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
	   10/585,717	LEPPERT ET AL.					
Notice of Allowability	Examiner	Art Unit					
	   Michael Pak	1646					
	IVIICIIACI I AK	1040					
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not include nunication will be mailed in due	ed course. <b>THIS</b>				
1. This communication is responsive to <u>4-20-09</u> .							
2. The allowed claim(s) is/are							
3. ☐ Acknowledgment is made of a claim for foreign priority ur  a) ☐ All b) ☐ Some* c) ☐ None of the:		) or (f).					
<ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> </ol>		tion No					
<ul><li>3. ☐ Copies of the certified copies of the priority do</li></ul>	• •		tion from the				
International Bureau (PCT Rule 17.2(a)).	cuments have been receiv	eu iii iiiis halionai stage applica	uon nom me				
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.							
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.							
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached							
1) ☐ hereto or 2) ☐ to Paper No./Mail Date							
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date							
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).							
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s)	E □ Notice of	Informal Datast Application					
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	<u> </u>	Informal Patent Application Summary (PTO-413),					
<ol> <li>Information Disclosure Statements (PTO/SB/08),</li> </ol>	Paper No	o./Mail Date <u>6-17-09</u> . 's Amendment/Comment					
Paper No./Mail Date 6-13-08  4. Examiner's Comment Regarding Requirement for Deposit	_	's Statement of Reasons for Allo	wance				
of Biological Material	9. ☐ Other						
/Michael Pak/							
Primary Examiner, Art Unit 1646							